

**IN THE CLAIMS**

Claims 1-79 (Canceled).

Claim 80. (Currently amended) An isolated nucleic acid molecule, the ~~complimentary~~ complementary sequence of which hybridizes, under highly stringent conditions (aqueous buffer, 65°C) to the nucleotide sequences set forth in SEQ ID NO: 15, wherein said nucleic acid molecule encodes a cancer associated antigen, wherein said cancer associated antigen is a protein which, when expressed by a human, elicits a humoral response by said human against said protein.

Claim 81. (Previously presented) An isolated nucleic acid molecule comprising the nucleotide sequence of SEQ ID NO: 15.

Claim 82. (Previously presented) An isolated nucleic acid molecule comprising the nucleotide sequence of SEQ ID NO: 8.

Claim 83. (Previously presented) An isolated nucleic acid molecule comprising the nucleotide sequence of SEQ ID NO: 4.

Claim 84. (Previously presented) An isolated nucleic acid molecule comprising a nucleotide sequence which encodes a protein comprising the amino acid sequence of SEQ ID NO: 16.

Claim 85. (Previously presented) Expression vector comprising the isolated nucleic acid molecule of claim 80, operably linked to a promoter.

Claim 86. (Previously presented) Recombinant cell, transformed or transfected with the isolated nucleic acid molecule of claim 81.

- Claim 87. (Previously presented) Recombinant cell, transformed or transfected with the isolated nucleic acid molecule of claim 80.
- Claim 88. (Previously presented) The recombinant cell of claim 86, wherein said recombinant cell is further transfected with a nucleic acid molecule encoding a cytokine, or an MHC molecule.
- Claim 89. (Previously presented) The recombinant cell of claim 87, wherein said recombinant cell is further transfected with a nucleic acid molecule which encodes a cytokine, or an MHC molecule.
- Claim 90. (Previously presented) The recombinant cell of claim 88, wherein said cytokine is an interleukin.
- Claim 91. (Previously presented) The recombinant cell of claim 89, wherein said cytokine is an interleukin.
- Claim 92. (Previously presented) The recombinant cell of claim 90, wherein said interleukin is IL-2, IL-4, or IL-12.
- Claim 93. (Previously presented) The recombinant cell of claim 91, wherein said interleukin is IL-2, IL-4, or IL-12.
- Claim 94. (Previously presented) The recombinant cell of claim 86, rendered non-proliferative.
- Claim 95. (Previously presented) The recombinant cell of claim 87, rendered non-proliferative.
- Claim 96. (Previously presented) The expression vector of claim 85, comprising a mutated or attenuated virus.

**Claim 97.** (Previously presented) The expression vector of claim 96, wherein said virus is vaccinia virus or adenovirus.